

Evan F Keane

List of Publications by Year in descending order

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104
papers

9,131
citations

46918

47
h-index

40881

93
g-index

104
all docs

104
docs citations

104
times ranked

9875
citing authors

#	ARTICLE	IF	CITATIONS
1	Circularly polarized radio emission from the repeating fast radio burst source FRB 20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3400-3413.	1.6	34
2	The New Magnetar SGR J1830+0645 in Outburst. Astrophysical Journal Letters, 2021, 907, L34.	3.0	14
3	The impact of solar wind variability on pulsar timing. Astronomy and Astrophysics, 2021, 647, A84.	2.1	20
4	Constraints on wide-band radiative changes after a glitch in PSR J1452+6036. Monthly Notices of the Royal Astronomical Society, 2021, 504, 406-415.	1.6	3
5	The Location of Young Pulsar PSR J0837+2454: Galactic Halo or Local Supernova Remnant?. Astrophysical Journal, 2021, 911, 121.	1.6	2
6	First results from the REAL-time Transient Acquisition backend (REALTA) at the Irish LOFAR station. Astronomy and Astrophysics, 2021, 655, A16.	2.1	5
7	Timing observations of three Galactic millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5303-5309.	1.6	5
8	A Decade and a Half of Fast Radio Burst Observations. Universe, 2021, 7, 453.	0.9	21
9	Limits on absorption from a 332-MHz survey for fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4418-4427.	1.6	9
10	Observing superluminous supernovae and long gamma-ray bursts as potential birthplaces of repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5170-5180.	1.6	6
11	The SURvey for pulsars and extragalactic radio bursts V: recent discoveries and full timing solutions. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4836-4848.	1.6	8
12	Optimal periodicity searching: revisiting the fast folding algorithm for large-scale pulsar surveys. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4654-4671.	1.6	43
13	LOFAR 144-MHz follow-up observations of GW170817. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5110-5117.	1.6	6
14	Fast Radio Burst 2020. Nature Astronomy, 2020, 4, 841-842.	4.2	1
15	Possible periodic activity in the repeating FRB 121102. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3551-3558.	1.6	165
16	LOFAR radio search for single and periodic pulses from M 31. Astronomy and Astrophysics, 2020, 634, A3.	2.1	16
17	Probing the extragalactic fast transient sky at minute time-scales with DECAM. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5852-5866.	1.6	22
18	The UTMOST survey for magnetars, intermittent pulsars, RRATs, and FRBs. I. System description and overview. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4752-4767.	1.6	6

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19	Lense-Thirring frame dragging induced by a fast-rotating white dwarf in a binary pulsar system. <i>Science</i> , 2020, 367, 577-580.	6.0	51
20	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ IV. Discovery and polarimetry of a 12.1-s radio pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1165-1177.	1.6	25
21	Dispersion measure variability for 36 millisecond pulsars at 150 MHz with LOFAR. <i>Astronomy and Astrophysics</i> , 2020, 644, A153.	2.1	23
22	Spectrotemporal Analysis of a Sample of Bursts from FRB 121102. <i>Research Notes of the AAS</i> , 2020, 4, 150.	0.3	2
23	Polarization studies of rotating radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1191-1199.	1.6	7
24	A fast radio burst with frequency-dependent polarization detected during Breakthrough Listen observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3636-3646.	1.6	31
25	Low-frequency Faraday rotation measures towards pulsars using LOFAR: probing the 3D Galactic halo magnetic field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3646-3664.	1.6	69
26	The High Time Resolution Universe survey â€“ XIV. Discovery of 23 pulsars through GPU-accelerated reprocessing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3673-3685.	1.6	38
27	Relativistic Spin Precession in the Binary PSR J1141â€”6545. <i>Astrophysical Journal Letters</i> , 2019, 873, L15.	3.0	11
28	The High Time Resolution Universe Pulsar Survey â€“ XV. Completion of the intermediate-latitude survey with the discovery and timing of 25 further pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5791-5801.	1.6	10
29	The UTMOST pulsar timing programme I: Overview and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3691-3712.	1.6	52
30	Unidentified FRBs in Archival Data. <i>Research Notes of the AAS</i> , 2019, 3, 41.	0.3	4
31	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ I. Survey description and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 116-135.	1.6	82
32	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ II. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1427-1446.	1.6	156
33	The prospects of pulsar timing with new-generation radio telescopes and the Square Kilometre Array. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170293.	1.6	12
34	Optical follow-up observation of Fast Radio Burst 151230. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	9
35	Radio Properties of Rotating Radio Transients: Single-pulse Spectral and Wait-time Analyses. <i>Astrophysical Journal</i> , 2018, 866, 152.	1.6	12
36	FRB microstructure revealed by the real-time detection of FRB170827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1209-1217.	1.6	107

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37	LOFAR Discovery of a 23.5 s Radio Pulsar. <i>Astrophysical Journal</i> , 2018, 866, 54.	1.6	76
38	The future of fast radio burst science. <i>Nature Astronomy</i> , 2018, 2, 865-872.	4.2	33
39	A search for optical transients associated with fast radio burst 150418. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	3
40	Spectral properties of 441 radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4436-4458.	1.6	135
41	A long-term study of three rotating radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 4090-4103.	1.6	16
42	The SURvey for Pulsars and Extragalactic Radio Bursts â€“ III. Polarization properties of FRBs 160102 and 151230. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2046-2055.	1.6	48
43	Detection of a Glitch in the Pulsar J1709âˆ¼4429. <i>Research Notes of the AAS</i> , 2018, 2, 139.	0.3	9
44	The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	59
45	Multi-messenger Observations of a Binary Neutron Star Merger[*]. <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
46	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	142
47	A search for optical bursts from the repeating fast radio burst FRB 121102. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2800-2807.	1.6	74
48	The first interferometric detections of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3746-3756.	1.6	115
49	Pulsar Science with the SKA. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 158-164.	0.0	3
50	Strong field tests of gravity with PSR J1141â€“6545. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 142-145.	0.0	0
51	Radio light curve of the galaxy possibly associated with FRBâˆ¼150418. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2143-2150.	1.6	19
52	A LOFAR census of non-recycled pulsars: average profiles, dispersion measures, flux densities, and spectra. <i>Astronomy and Astrophysics</i> , 2016, 591, A134.	2.1	96
53	A LOFAR census of millisecond pulsars. <i>Astronomy and Astrophysics</i> , 2016, 585, A128.	2.1	78
54	FRBCAT: The Fast Radio Burst Catalogue. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, .	1.3	420

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55	Optical and radio astrometry of the galaxy associated with FRB 150418. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 463, L36-L40.	1.2	12
56	The magnetic field and turbulence of the cosmic web measured using a brilliant fast radio burst. Science, 2016, 354, 1249-1252.	6.0	167
57	Classifying RRATs and FRBs. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1360-1362.	1.6	19
58	Fast Radio Transient searches with UTMOST at 843 MHz. Monthly Notices of the Royal Astronomical Society, 2016, 458, 718-725.	1.6	65
59	The host galaxy of a fast radio burst. Nature, 2016, 530, 453-456.	13.7	241
60	A HIGH BRAKING INDEX FOR A PULSAR. Astrophysical Journal Letters, 2016, 819, L16.	3.0	102
61	Are the distributions of fast radio burst properties consistent with a cosmological population?. Monthly Notices of the Royal Astronomical Society, 2016, 458, 708-717.	1.6	69
62	A survey of FRB fields: limits on repeatability. Monthly Notices of the Royal Astronomical Society, 2015, 454, 457-462.	1.6	71
63	Pulsar polarisation below 200 MHz: Average profiles and propagation effects. Astronomy and Astrophysics, 2015, 576, A62.	2.1	68
64	Fast radio bursts: search sensitivities and completeness. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2852-2856.	1.6	148
65	DISCOVERY OF PSR J1227+4853: A TRANSITION FROM A LOW-MASS X-RAY BINARY TO A REDBACK MILLISECOND PULSAR. Astrophysical Journal Letters, 2015, 800, L12.	3.0	122
66	A real-time fast radio burst: polarization detection and multiwavelength follow-up. Monthly Notices of the Royal Astronomical Society, 2015, 447, 246-255.	1.6	236
67	LOFAR discovery of a quiet emission mode in PSR B0823+26. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2493-2506.	1.6	36
68	Limits on fast radio bursts at 145 MHz with artemis, a real-time software backend. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1254-1262.	1.6	82
69	Identifying the source of perytons at the Parkes radio telescope. Monthly Notices of the Royal Astronomical Society, 2015, 451, 3933-3940.	1.6	70
70	The variability time-scales and brightness temperatures of radio flares from stars to supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3687-3696.	1.6	55
71	A Cosmic Census of Radio Pulsars with the SKA. , 2015, , .		51
72	Fast Transients at Cosmological Distances with the SKA. , 2015, , .		17

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73	Advancing Astrophysics with the Square Kilometre Array. , 2015, , .		114
74	A state change in the low-mass X-ray binary XSS J12270+4859. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1825-1830.	1.6	211
75	A search for coherent radio emission from RX J0648.0+4418. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1884-1886.	1.6	0
76	SPINN: a straightforward machine learning solution to the pulsar candidate selection problem. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1651-1662.	1.6	72
77	AN ABSENCE OF FAST RADIO BURSTS AT INTERMEDIATE GALACTIC LATITUDES. Astrophysical Journal Letters, 2014, 789, L26.	3.0	56
78	The LOFAR pilot surveys for pulsars and fast radio transients. Astronomy and Astrophysics, 2014, 570, A60.	2.1	89
79	A strong magnetic field around the supermassive black hole at the centre of the Galaxy. Nature, 2013, 501, 391-394.	13.7	340
80	Detecting highly dispersed bursts with next-generation radio telescopes. Monthly Notices of the Royal Astronomical Society, 2013, 436, 371-379.	1.6	29
81	<i>EINSTEIN@HOME</i> DISCOVERY OF 24 PULSARS IN THE PARKES MULTI-BEAM PULSAR SURVEY. Astrophysical Journal, 2013, 774, 93.	1.6	45
82	SIMULTANEOUS X-RAY AND RADIO OBSERVATIONS OF ROTATING RADIO TRANSIENT J1819-1458. Astrophysical Journal, 2013, 776, 104.	1.6	14
83	Synchronous X-ray and Radio Mode Switches: A Rapid Global Transformation of the Pulsar Magnetosphere. Science, 2013, 339, 436-439.	6.0	116
84	Pulsar spin-velocity alignment: kinematic ages, birth periods and braking indices. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2281-2301.	1.6	86
85	PSR J1840-1419: A VERY COOL NEUTRON STAR. Astrophysical Journal, 2013, 764, 180.	1.6	12
86	Differential frequency-dependent delay from the pulsar magnetosphere. Astronomy and Astrophysics, 2013, 552, A61.	2.1	21
87	Wide-band simultaneous observations of pulsars: disentangling dispersion measure and profile variations. Astronomy and Astrophysics, 2012, 543, A66.	2.1	76
88	Radio pulsar variability. Proceedings of the International Astronomical Union, 2012, 8, 295-300.	0.0	0
89	Profile-shape stability and phase-jitter analyses of millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2012, 420, 361-368.	1.6	57
90	On the origin of a highly dispersed coherent radio burst. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 425, L71-L75.	1.2	200

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91	What To Do with Sparkers?. Proceedings of the International Astronomical Union, 2011, 7, 342-343.	0.0	0
92	A search for optical bursts from the rotating radio transient J1819 $\hat{\sim}$ 1458 with ULTRACAM - II. Simultaneous ULTRACAM-Lovell Telescope observations. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3627-3632.	1.6	5
93	Rotating Radio Transients: new discoveries, timing solutions and musings. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3065-3080.	1.6	148
94	Radio properties of rotating radio transients - I. Searches for periodicities and randomness in pulse arrival times. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1871-1880.	1.6	16
95	Multiwavelength Studies of Rotating Radio Transients. , 2011, , .		1
96	Transient Radio Neutron Stars. , 2011, , .		2
97	Further searches for Rotating Radio Transients in the Parkes Multi-beam Pulsar Survey. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1057-1068.	1.6	96
98	The European Pulsar Timing Array: current efforts and a LEAP toward the future. Classical and Quantum Gravity, 2010, 27, 084014.	1.5	101
99	An interference removal technique for radio pulsar searches. Monthly Notices of the Royal Astronomical Society, 2009, 395, 410-415.	1.6	68
100	Timing observations of rotating radio transients. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1431-1438.	1.6	47
101	Unusual glitch activity in the RRAT J1819 $\hat{\sim}$ 1458: an exhausted magnetar?. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1439-1444.	1.6	47
102	On the birthrates of Galactic neutron stars. Monthly Notices of the Royal Astronomical Society, 2008, 391, 2009-2016.	1.6	150
103	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	45
104	A fast radio burst with a low dispersion measure. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	18